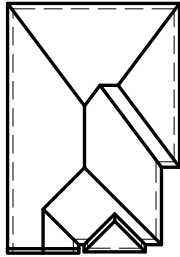


LIANA 3
(MODEL 2288 S.F.)

SB-12 PRESCRIPTIVE ENERGY EFFICIENCY DESIGN MATRIX				
PRESCRIPTIVE PACKAGE <div>A1</div>		GLASS/WALL AREA RATIO		
		ELEV. 1	WALL AREA	0.0 m²
			GLASS AREA	0.0 m²
			% GLASS	0.0 %
		ELEV. 2	WALL AREA	299.38 m²
			GLASS AREA	26.23 m²
% GLASS	8.76 %			
SPACE HEATING FUEL		ELEV. 3	WALL AREA	000.00 m²
<input checked="" type="checkbox"/> GAS	<input type="checkbox"/> OIL		GLASS AREA	00.00 m²
<input type="checkbox"/> ELECTRIC	<input type="checkbox"/> PROPANE		% GLASS	0.00 %
<input type="checkbox"/> EARTH	<input type="checkbox"/> SOLID FUEL			
BUILDING COMPONENTS			PROPOSED (A1)	
INSULATION (RSI)				
CEILING W/ATTIC SPACE			10.57 (R60)	
CEILING W/O ATTIC SPACE			5.46 (R31)	
EXPOSED FLOOR			5.46 (R31)	
WALLS ABOVE GRADE			4.22 (R24)	
BASEMENT WALLS			3.52 (R20)	
BELOW GRADE SLAB ENTIRE SURFACE >600mm BELOW GRADE			-	
EDGE OF BELOW GRADE SLAB ≤600mm BELOW GRADE			1.76 (R10)	
HEATED SLAB ≤600mm BELOW GRADE			1.76 (R10)	
CONC. SLAB ≤600mm) BELOW GRADE			1.76 (R10)	
WINDOWS & DOORS (U-VALUE)				
WINDOWS/SLIDING GLASS DOORS (MAX. U-VALUE)			1.6 (0.28)	
SKYLIGHTS (MAX. U-VALUE)			2.8 (0.49)	
APPLIANCE EFFICIENCY				
SPACE HEATING EQPT. (MIN. AFUE %)			96%	
HRV EFFICIENCY (%) (MIN. SRE)			75%	
DHW HEATER (MIN. EF)			0.8	



FRONT ELEVATION 2 (2292 SQ.FT)
LOT-23

AREA CALCULATIONS - EL. 2	
TOTAL GROUND FLOOR AREA	= 1022 SQ. FT.
TOTAL SECOND FLOOR AREA	= 1270 SQ. FT.
TOTAL GROSS FLOOR AREA	= 2292 SQ. FT.
	212.93 m²
SUBTRACT OPEN AREAS	= 0 SQ. FT.
	0.00 m²
TOTAL NET FLOOR AREA	= 2292 SQ. FT.
	212.93 m²

W Architect Inc.
DESIGN CONTROL REVIEW
FEB. 04, 2019
FINAL BY: MMI
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TYPICAL BASEMENT
FLOOR PLAN NOTES

ALL CONCRETE FOOTINGS SHALL REST ON UNDISTURBED SOIL WITH A MIN. ALLOWABLE BEARING CAPACITY OF 75Kpa (1500 PSF), AND BE FOUNDED A MIN. OF 4'-0" BELOW FINISHED GRADE.

CONCRETE STRENGTH FOR WALLS AND FOOTINGS SHALL BE A MINIMUM OF 15Mpa.

CONCRETE STRENGTH FOR GARAGE SLABS, CONC. PORCHES, AND STEPS SHALL BE A MINIMUM OF 32Mpa. WITH 5-8% AIR ENTRAINMENT.

CONCRETE STRIP FOOTING SIZE FOR 8" POURED CONC. WALLS SHALL BE A MINIMUM OF 6"x20" UNREINFORCED.

THE ABOVE FOOTING SIZE WILL BE USED FOR FOUNDATION WALLS WHICH SUPPORT 2 STOREYS OF BRICK VENEER WALL CONSTRUCTION, 2 FLOORS AND A ROOF OF LIGHT WOOD FRAME CONSTRUCTION, WITH THE SPAN OF SUPPORTED JOISTS THAT DO NOT EXCEED 4.9m (16'-1") AT A SPECIFIED LIVE LOAD OF NOT GREATER THAN 2.4 Kpa (50 PSF).

REFER TO BASEMENT PLAN FOR FOOTING SIZES IN AREAS EXCEEDING THE ABOVE CONDITIONS.

3/4" SUB-FLOOR TO BE GLUED & NAILED (TYP.)

REFER TO APPROVED FLOOR JOIST LAYOUT DRAWINGS, DETAILS AND SPECIFICATIONS FOR ALL FLOOR FRAMING AND DETAILS.

ALL JOISTS UNDER CERAMIC TILES TO BE INSTALLED AS PER JOIST MANUF. SHOP DWG'S

CONC. PAD FOOTING LEGEND
(75 KPa)

(UNLESS OTHERWISE SPECIFIED)

- F1 = 42"x42"x18" CONCRETE PAD
F2 = 36"x36"x16" CONCRETE PAD
F3 = 34"x34"x14" CONCRETE PAD
F4 = 30"x30"x12" CONCRETE PAD
F5 = 24"x24"x12" CONCRETE PAD
F6 = 18"x18"x10" CONCRETE PAD
F7 = 16"x16"x8" CONCRETE PAD

BRICK VENEER LINTELS:

- WL1 = 3 1/2" x 3 1/2" x 1 1/4" (90x90x6) + 2- 2" x 8" SPR. No. 2
WL2 = 4" x 3 1/2" x 5/16" (100x90x8) + 2- 2" x 8" SPR. No. 2
WL3 = 5" x 3 1/2" x 5/16" (125x90x8) + 2- 2" x 10" SPR. No. 2
WL4 = 6" x 3 1/2" x 3/8" (150x90x10) + 2- 2" x 12" SPR. No. 2
WL5 = 6" x 4" x 3/8" (150x100x10) + 2- 2" x 12" SPR. No. 2
WL6 = 5" x 3 1/2" x 5/16" (125x90x8) + 2- 2" x 12" SPR. No. 2
WL7 = 5" x 3 1/2" x 5/16" (125x90x8) + 3- 2" x 10" SPR. No. 2
WL8 = 5" x 3 1/2" x 5/16" (125x90x8) + 3- 2" x 12" SPR. No. 2
WL9 = 6" x 4" x 3/8" (150x100x10) + 3- 2" x 12" SPR. No. 2

DOOR SCHEDULE:

- 1 = 2'-10" x 6'-8" (865x2033) INSULATED ENTRANCE DOOR
1A = 2'-8" x 6'-8" (815x2033) INSULATED ENTRANCE DOOR
2 = 2'-8" x 6'-8" (815x2033) EXTERIOR WOOD & GLAZED DOOR
3 = 2'-8" x 6'-8" x 1 3/4" (815x2033x45) EXTERIOR SLAB DOOR
4 = 2'-8" x 6'-8" x 1 3/8" (815x2033x35) INTERIOR SLAB DOOR
5 = 2'-6" x 6'-8" x 1 3/8" (760x2033x35) INTERIOR SLAB DOOR
6 = 2'-2" x 6'-8" x 1 3/8" (660x2033x35) INTERIOR SLAB DOOR
7 = 1'-6" x 6'-8" x 1 3/8" (460x2033x35) INTERIOR SLAB DOOR

WOOD LINTELS:

- WB1 = 2- 2" x 8" (2-38x184) SPR. No. 2
WB2 = 3- 2" x 8" (3-38x184) SPR. No. 2
WB3 = 2- 2" x 10" (2-38x235) SPR. No. 2
WB4 = 3- 2" x 10" (3-38x235) SPR. No. 2
WB5 = 2- 2" x 12" (2-38x286) SPR. No. 2
WB6 = 3- 2" x 12" (3-38x286) SPR. No. 2
WB7 = 5- 2" x 12" (5-38x286) SPR. No. 2
WB10 = 4- 2" x 8" (4-38x184) SPR. No. 2
WB11 = 4- 2" x 10" (4-38x235) SPR. No. 2
WB12 = 4- 2" x 12" (4-38x286) SPR. No. 2
LSL = TIMBERSTRAND BOARD

STEEL LINTELS:

- L1 = 3 1/2 x 3 1/2 x 1 1/4" (90 x 90 x 6)
L2 = 4" x 3 1/2" x 5/16" (100 x 90 x 8)
L3 = 5" x 3 1/2" x 5/16" (125 x 90 x 8)
L4 = 6" x 3 1/2" x 3/8" (150 x 90 x 10)
L5 = 6" x 4" x 3/8" (150 x 100 x 10)
L6 = 7" x 4" x 3/8" (180 x 100 x 10)

LAMINATED VENEER LUMBER
(LVL) BEAMS

- LVL1A = 1-1 3/4" x 7" 1/4" (1-45x184)
LVL1 = 2-1 3/4" x 7" 1/4" (2-45x184)
LVL2 = 3-1 3/4" x 7" 1/4" (3-45x184)
LVL3 = 4-1 3/4" x 7" 1/4" (4-45x184)
LVL4A = 1-1 3/4" x 9" 1/2" (1-45x235)
LVL4 = 2-1 3/4" x 9" 1/2" (2-45x235)
LVL5 = 3-1 3/4" x 9" 1/2" (3-45x235)
LVL5A = 4-1 3/4" x 9" 1/2" (4-45x235)
LVL6A = 1-1 3/4" x 11" 7/8" (1-45x300)
LVL6 = 2-1 3/4" x 11" 7/8" (2-45x300)

NOTE: LVL BEAMS

ALL LVL BEAMS SUPPORTING FLOOR LOADS ARE TO BE SPECIFIED BY THE FLOOR TRUSS MANUFACTURER.

STRUDET INC.



FOR STRUCTURE ONLY

2288

11.0m LOTS

LIANA 3-23
ELEVATION 2
(GR)

PACKAGE 'A1'

O.REG. 332/12

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7		
6		
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1	APR. 25, 2018	ISSUED TO CONTROL ARCHITECT FOR PRELIMINARY APPROVAL

No: DATE: WORK DESCRIPTION:

jardin
DESIGN GROUP INC
64 JARDIN DR, SUITE 3A
VAUGHAN ONT, L4K 3P3
TEL: 905 660-3377 FAX: 905 660-3713
EMAIL: info@jardindesign.ca

The undersigned has reviewed and takes responsibility for this design and has the qualifications and meets the requirements set out in the Ontario Building Code to be a designer

QUALIFICATION INFORMATION
Required unless design is exempt under Division C, Subsection 3.2.4 of the building code

Walter Botter 21031
NAME SIGNATURE BCIN

REGISTRATION INFORMATION
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jardin design group inc. 27763
FIRM NAME BCIN

TITLE SHEET

GRANELLI HOMES
BRAMPTON

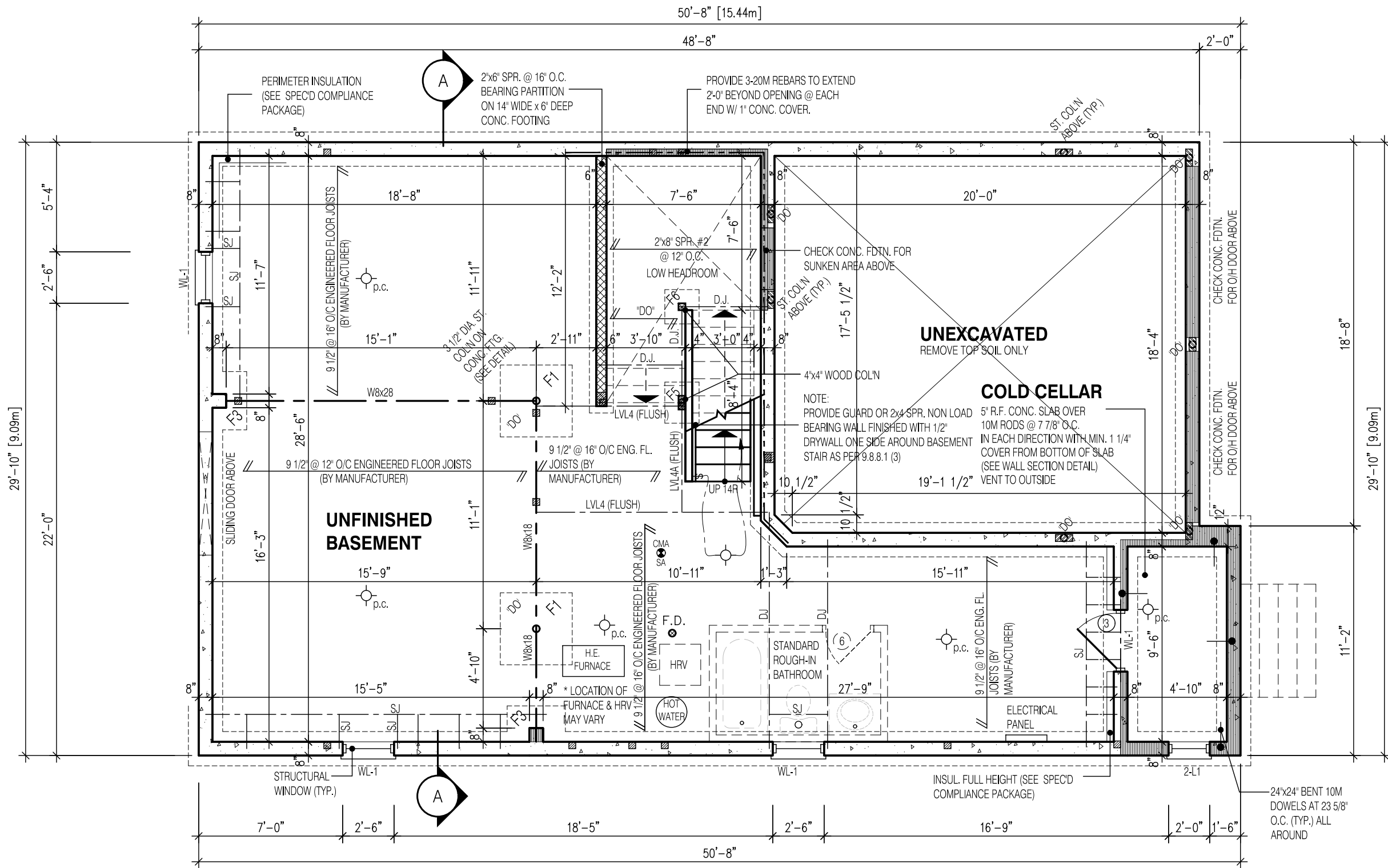


MODEL: ---

SCALE: 3/16"=1'-0"

PROJ. No.
17-55

DWG. No.
0



W Architect Inc.
DESIGN CONTROL REVIEW
FEB. 04, 2019
FINAL BY: MMI
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CONC. PAD FOOTING
LEGEND (75 KPa)
(UNLESS OTHERWISE SPECIFIED)
F1 = 42"x42"x18" CONCRETE PAD F5 = 24"x24"x12" CONCRETE PAD
F2 = 36"x36"x16" CONCRETE PAD F6 = 18"x18"x10" CONCRETE PAD
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NOTE:
SUBFLOOR TO BE 3/4" PLYWOOD ON THIS LEVEL. ALL FLOORS TO BE NAILED AND GLUED ON THIS LEVEL

NOTE:
SPACE CONVENTIONAL FLOOR JOISTS @ 12" O.C. BELOW ALL CERAMIC TILE AREAS. PROVIDE 1 ROW BRIDGING FOR SPANS OF 5'-7", 2 ROWS FOR SPANS GREATER THAN 7'

NOTE:
THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ENGINEER APPROVED FLOOR TRUSS LAYOUT BY MANUFACTURER.

- LEGEND:**
- BUILDING FACE < THAN 4'-0" (1.2m) (45 MIN. FIRE RATING REQ'D)
 - INDICATES SOLID BEARING REQUIRED OR POINT LOAD FROM ABOVE
 - STL. PLATE FOR STEEL COLN ABOVE LAMINATED VENEER LUMBER
 - SINGLE JOIST
 - DOUBLE JOIST
 - TRIPLE JOIST
 - REPEAT NOTE
 - SHOWER WEEPERS
 - ELECTRIC VEHICLE CHARGING SYSTEM



FOR STRUCTURE ONLY

2288
11.0m LOTS
LIANA 3-23
ELEVATION 2
(GR)
PACKAGE 'A1'
O.REG. 332/12

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No: DATE: WORK DESCRIPTION:

jardin
DESIGN GROUP INC
64 JARDIN DR. SUITE 3A
VAUGHAN ONT, L4K 3P3
TEL: 905 660-3377 FAX: 905 660-3713
EMAIL: info@jardindesign.ca

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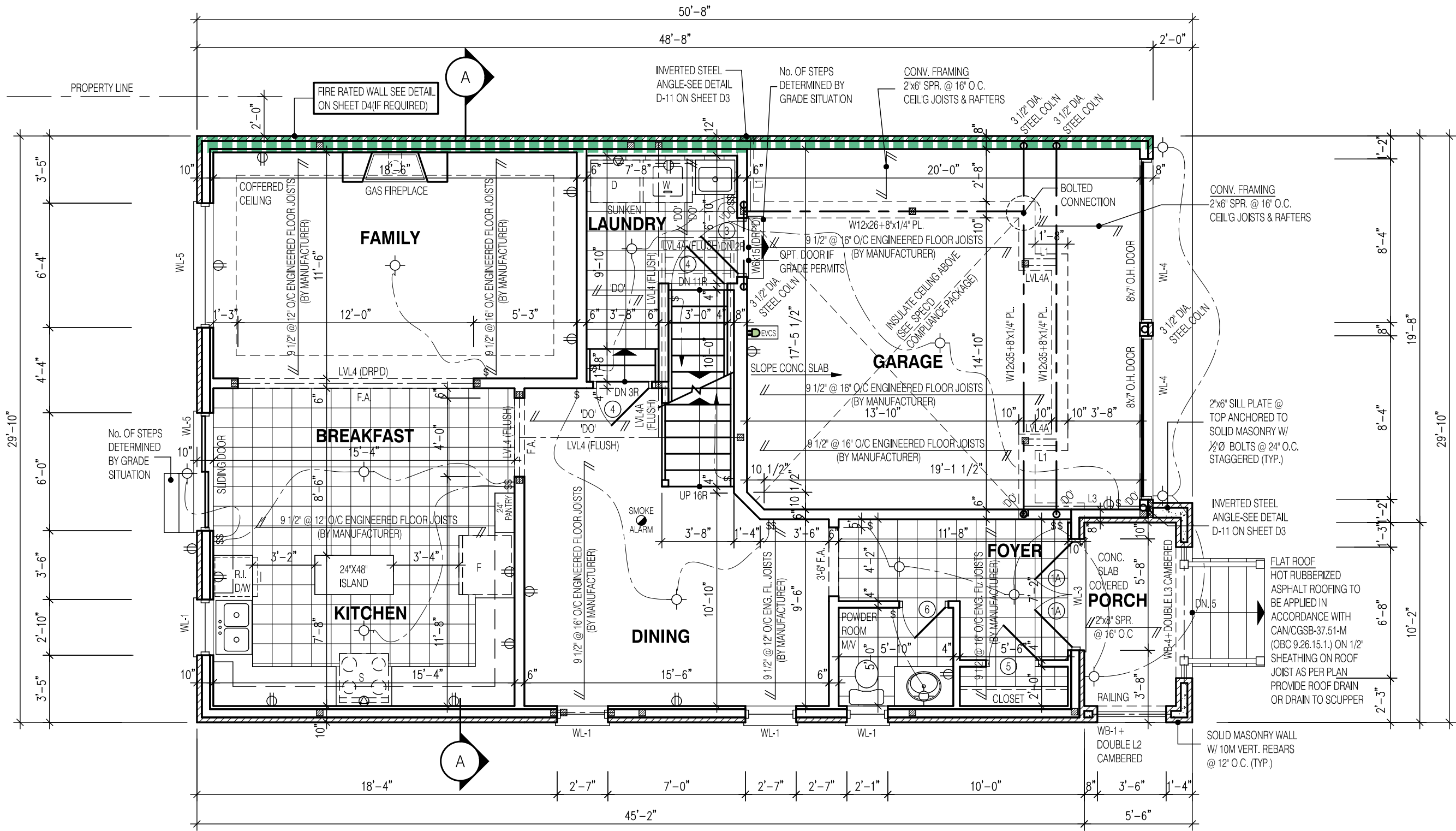
QUALIFICATION INFORMATION
Required unless design is exempt under Division C, Subsection 3.2.5 of the building code

Walter Botter *WBE* 21031
NAME SIGNATURE BCIN

REGISTRATION INFORMATION
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jardin design group inc. 27763
FIRM NAME BCIN

BASEMENT PLAN EL-2
GRANELLI HOMES
BRAMPTON

BILD
MODEL: ---
SCALE: 3/16"=1'-0"
PROJ. No. 17-55 DWG. No. 1A



W Architect Inc.
DESIGN CONTROL REVIEW
FEB. 04, 2019
FINAL BY: MMI
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NOTE:
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 - D.J. DOUBLE JOIST
 - T.J. TRIPLE JOIST
 - REPEAT NOTE
 - SHOWER WEEPERS
 - ELECTRIC VEHICLE CHARGING SYSTEM

STRUDET INC.
REGISTERED PROFESSIONAL ENGINEER
B. MARINKOVIC
PROVINCE OF ONTARIO
FOR STRUCTURE ONLY

2288

11.0m LOTS

LIANA 3-23

ELEVATION 2

(GR)

PACKAGE 'A1'

O.REG. 332/12

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jardin

DESIGN GROUP INC

64 JARDIN DR. SUITE 3A

VAUGHAN ONT, L4K 3P3

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21031

NAME

SIGNATURE

BCIN

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jardin design group inc.

27763

FIRM NAME

BCIN

FIRST FLOOR PLAN EL-2

GRANELLI HOMES

BRAMPTON

MODEL: ---

SCALE: 3/16"=1'-0"

PROJ. No. 17-55

DWG. No. 2A

2288

11.0m LOTS

LIANA 3-23
ELEVATION 2
(GR)

PACKAGE 'A1'

O.REG. 332/12

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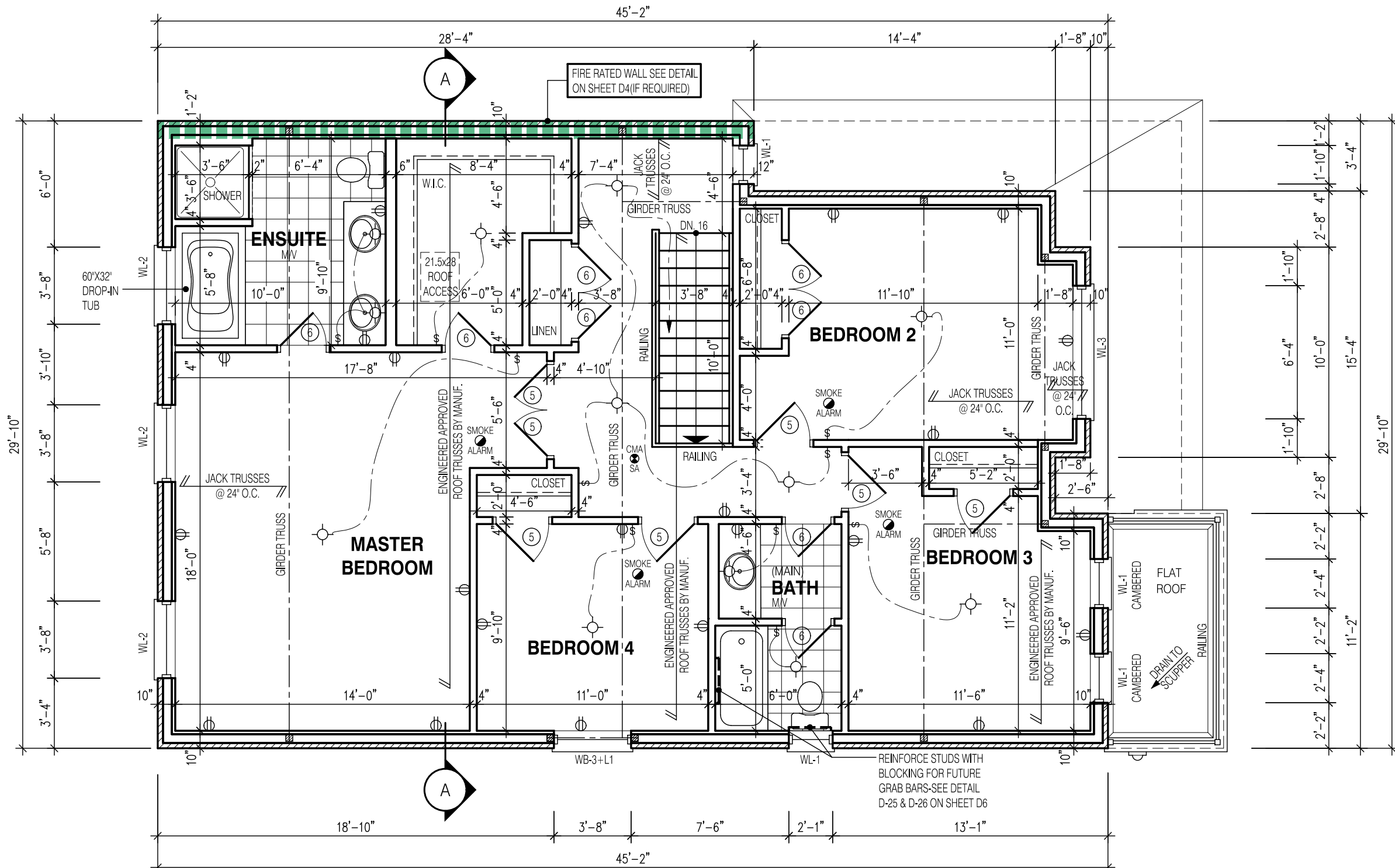
jardin design group inc. 27763
FIRM NAME BCIN

SECOND FL. PLAN EL-2

GRANELLI HOMES
BRAMPTON



MODEL: ---
SCALE: 3/16" = 1'-0"
PROJ. No. 17-55 DWG. No. 3A



NOTE:

FOR SIZES PERTAINING TO LAMINATED VENEER LUMBER (LVL) BEAMS, WOOD LINTELS, STEEL LINTELS, BRICK VENEER LINTELS, AND DOORS REFER TO SHEET 0

NOTE:

THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ENGINEER APPROVED ROOF TRUSS DRAWINGS BY MANUFACTURER.

NOTE:

ALL CONVENTIONAL ROOF FRAMING TO CONFORM TO PART 9 OF THE OBC. ROOF RAFTERS THAT MEET OR CROSS OVER TRUSSES ARE TO BE 2"x4" SPF @ 24" O.C. WITH A 2"x4" SPF VERTICAL POST TO THE TRUSS UNDER, AT EACH CROSS POINT. POSTS LONGER THAN 6' TO BE LATERALLY BRACED SO THAT THE DISTANCE BETWEEN END POINTS & BETWEEN ROWS OF BRACING DOES NOT EXCEED 6'.

LEGEND:

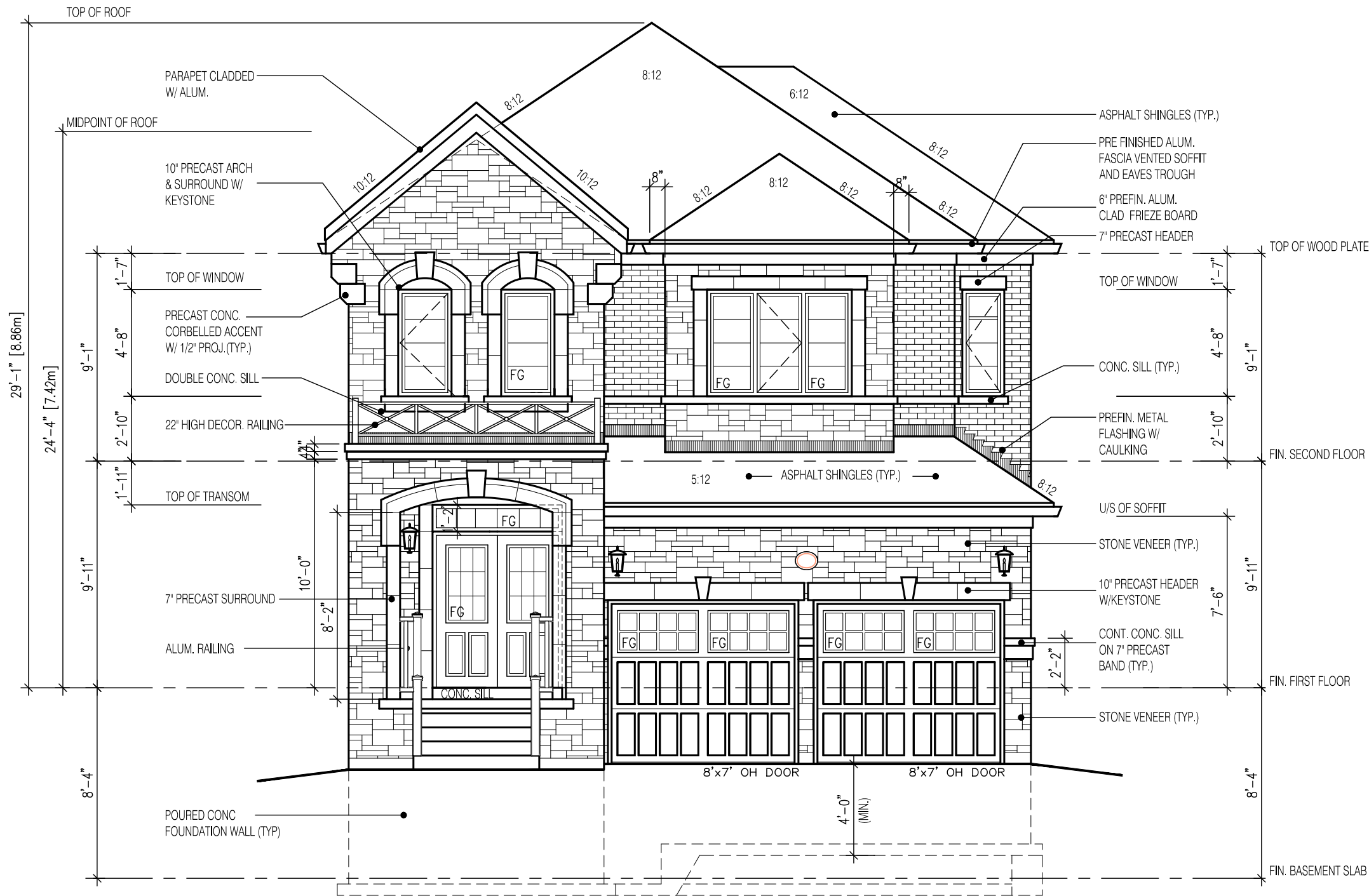
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- INDICATES SOLID BEARING REQUIRED OR POINT LOAD FROM ABOVE
- STL. PLATE FOR STEEL COL'N ABOVE
- LVL
- S.J. SINGLE JOIST
- D.J. DOUBLE JOIST
- T.J. TRIPLE JOIST
- REPEAT NOTE
- SHOWER WEEPERS
- ELECTRIC VEHICLE CHARGING SYSTEM

STRUDET INC.

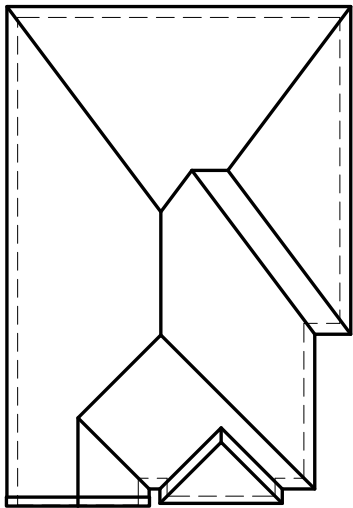


FOR STRUCTURE ONLY

W Architect Inc.
DESIGN CONTROL REVIEW
FEB. 04, 2019
FINAL BY: MMI
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FRONT ELEVATION 2 (2292 SQ.FT)
FOR LOT-23



ROOF PLAN
N.T.S.

2288-ELEV.-2		ENERGY EFFICIENCY-SB12	
ELEVATION	WALL FT ²	OPENING FT ²	PERCENTAGE
FRONT	670.00	81.00	12.09 %
LEFT SIDE	980.00	69.60	7.10 %
RIGHT SIDE	981.00	0.00	0.00 %
REAR	591.69	131.76	22.27 %
TOTAL	3222.69	282.36	8.76 %

DRAWN BY: _____ DRAWING NAME: _____

W Architect Inc.
DESIGN CONTROL REVIEW
FEB. 04, 2019
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2288

11.0m LOTS

LIANA 3-23

ELEVATION 2

(GR)

PACKAGE 'A1'

O.REG. 332/12

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2	MAY 22, 2018	ISSUED FOR FLOOR & ROOF TRUSSES
1	APR. 25, 2018	ISSUED TO CONTROL ARCHITECT FOR PRELIMINARY APPROVAL

No: _____ DATE: _____ WORK DESCRIPTION: _____

jardin

DESIGN GROUP INC

64 JARDIN DR, SUITE 3A

VAUGHAN ONT, L4K 3P3

TEL: 905 660-3377 FAX: 905 660-3713

EMAIL: info@jardindesign.ca

The undersigned has reviewed and takes responsibility for this design and has the qualifications and meets the requirements set out in the Ontario Building Code to be a designer

QUALIFICATION INFORMATION
Required unless design is exempt under Division C, Subsection 3.2.5 of the building code

Walter Botter

21031

NAME SIGNATURE BCIN

REGISTRATION INFORMATION
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jardin design group inc.

27763

FIRM NAME BCIN

FRONT ELEVATION 2

GRANELLI HOMES

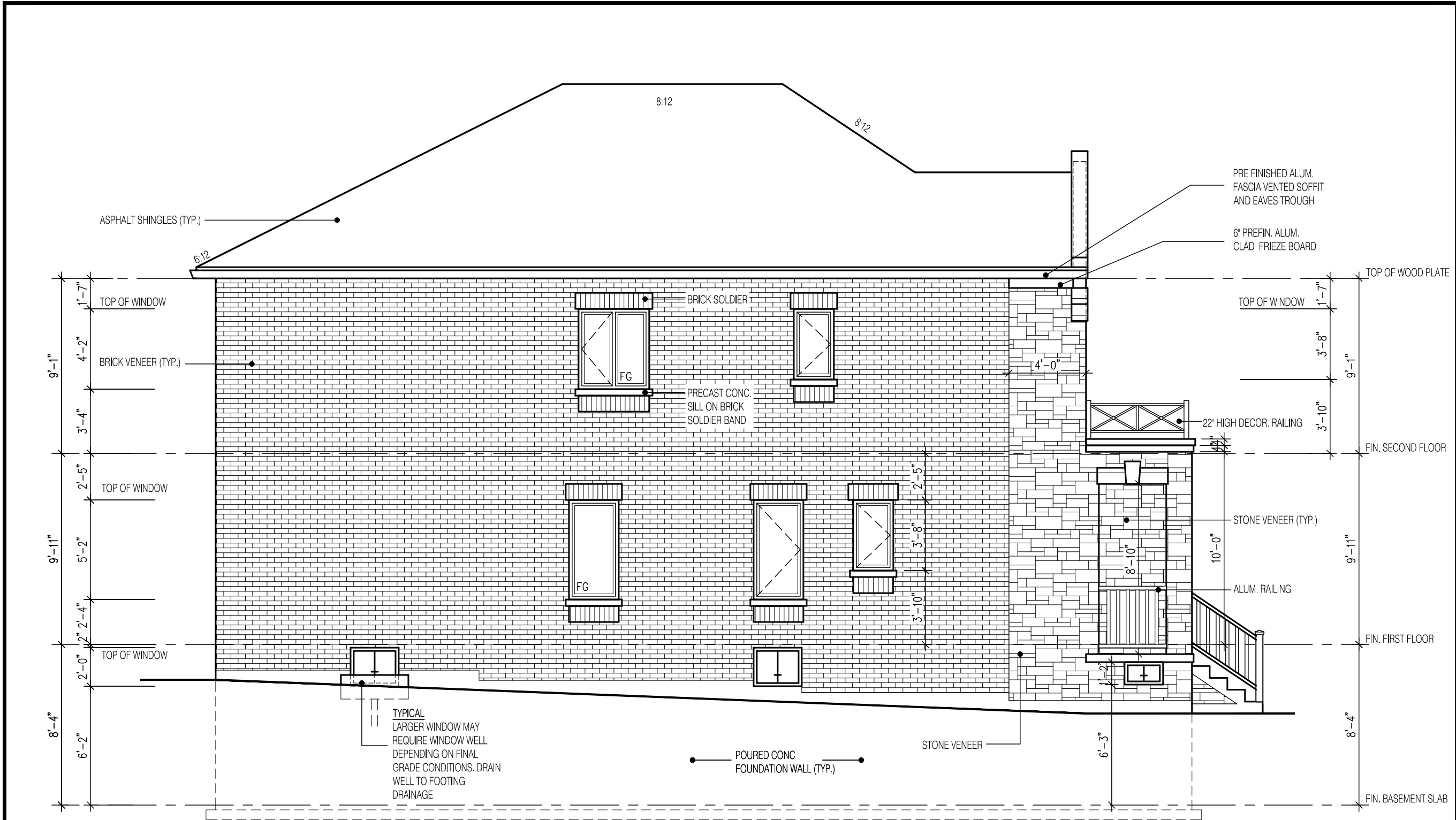
BRAMPTON

MODEL: ---

SCALE: 3/16" = 1'-0"

PROJ. No. 17-55

DWG. No. 4A



LEFT SIDE ELEVATION 2

UNPROTECTED OPENINGS

WALL AREA	1055.0	Φ
ALLOWABLE WINDOW AREA @ 7.0%(1.2m SIDEYARD)	73.8	Φ
ACTUAL GLAZED AREA	54.8	Φ

W Architect Inc.
DESIGN CONTROL REVIEW
FEB. 04, 2019
FINAL BY: MMI
This stamp is only for the purposes of design control and carries no other professional obligations.

2288
11.0m LOTS
LIANA 3-23
ELEVATION 2
(GR)
PACKAGE 'A1'
O.REG. 332/12

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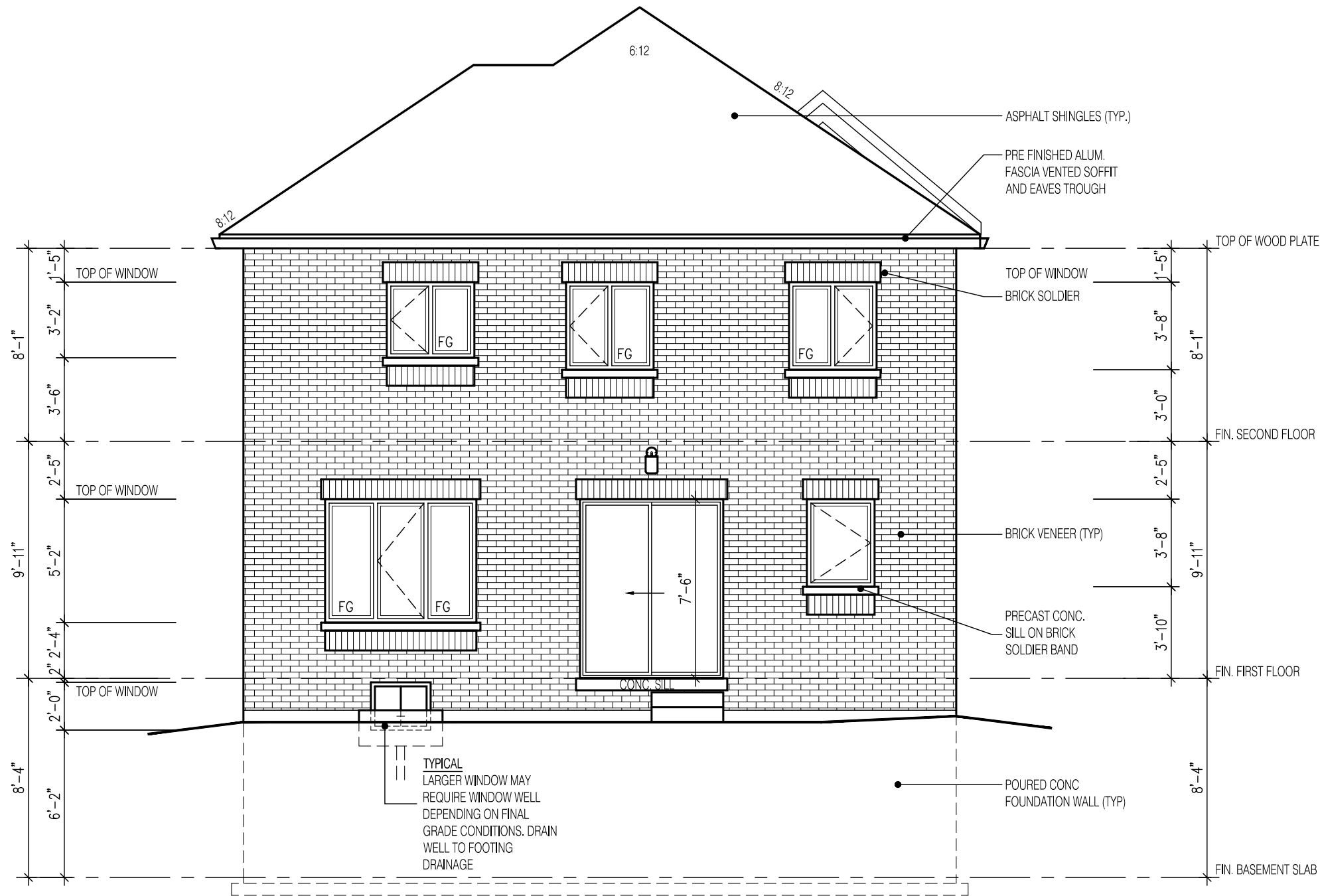
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jardin design group inc. 27763
FIRM NAME BCIN

SIDE ELEVATION 2
GRANELLI HOMES
BRAMPTON


BILD

MODEL: ---
SCALE: 3/16" = 1'-0"
PROJ. No. 17-55
DWG. No. 5A



REAR ELEVATION 2

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11.0m LOTS
LIANA 3-23
ELEVATION 2
(GR)
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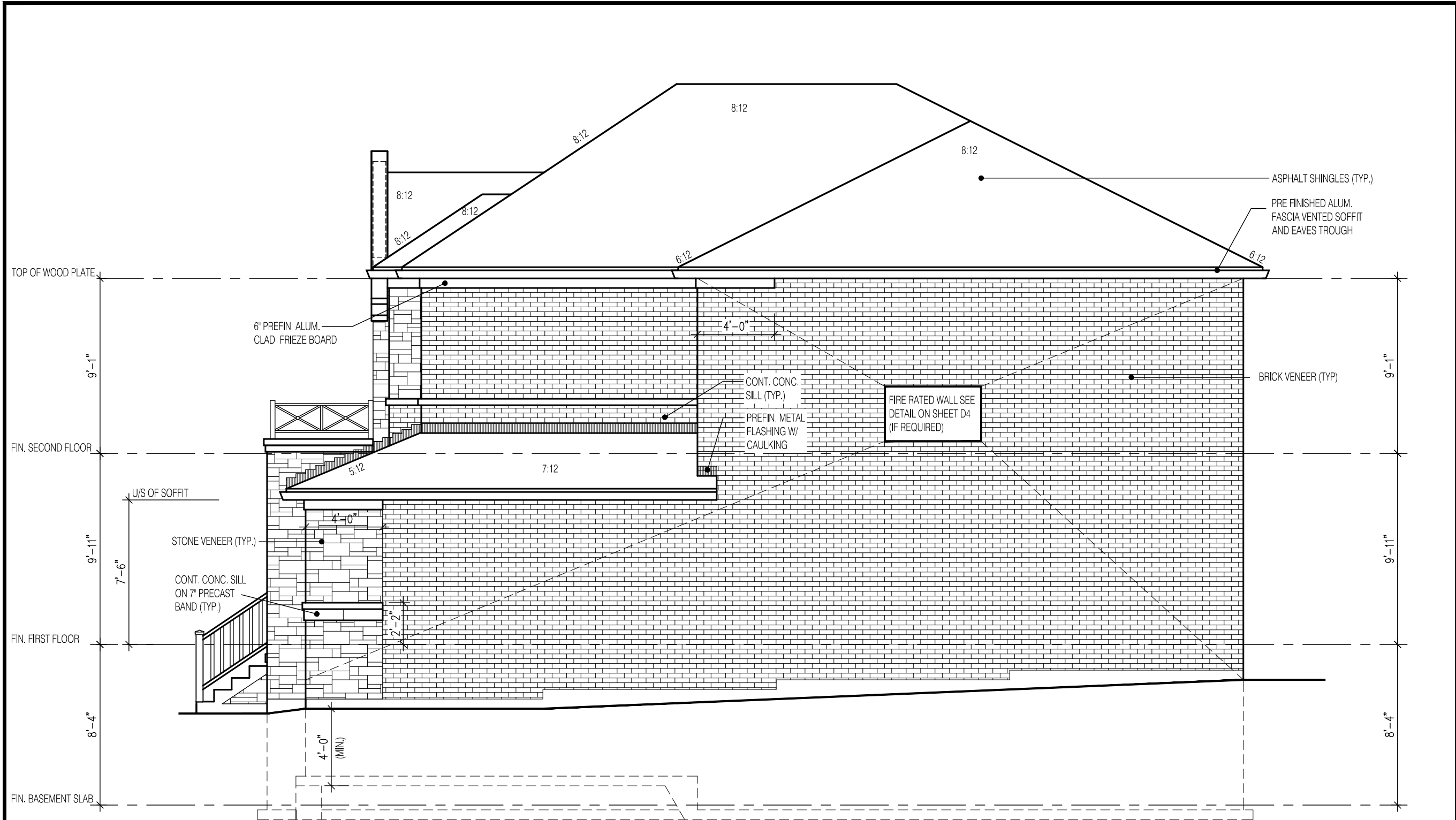
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jardin design group inc. 27763
FIRM NAME BCIN

REAR ELEVATION 2
GRANELLI HOMES
BRAMPTON

	MODEL: ---
	SCALE: 3/16" = 1'-0"
	PROJ. No. 17-55 DWG. No. 6A



RIGHT SIDE ELEVATION 2

W Architect Inc.
DESIGN CONTROL REVIEW
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2288

11.0m LOTS

LIANA 3-23
ELEVATION 2
(GR)

PACKAGE 'A1'

O.REG. 332/12

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jardin design group inc.

27763

FIRM NAME BCIN

SIDE ELEVATION 2

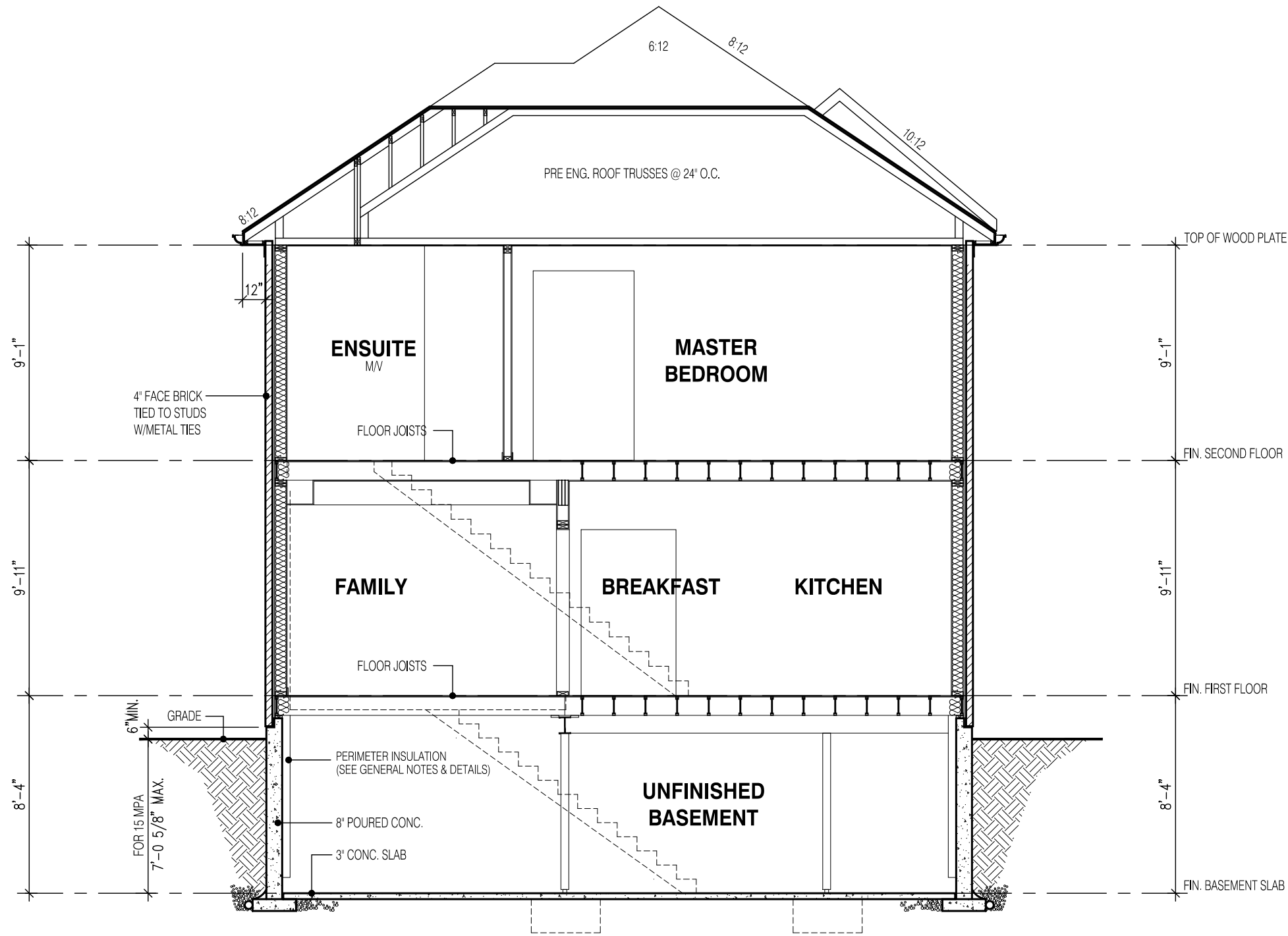
GRANELLI HOMES
BRAMPTON

MODEL: ---

SCALE: 3/16" = 1'-0"

PROJ. No. 17-55

DWG. No. 7A



SECTION A-A
ELEVATION 2

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DESIGN CONTROL REVIEW
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STRUDET INC.
REGISTERED PROFESSIONAL ENGINEER
B. MARINKOVIC
PROVINCE OF ONTARIO
FOR STRUCTURE ONLY

2288
11.0m LOTS
LIANA 3-23
ELEVATION 2
(GR)
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O.REG. 332/12

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jardin design group inc. 27763
FIRM NAME BCIN

SECTION EL-2
GRANELLI HOMES
BRAMPTON

MODEL: ---
SCALE: 3/16" = 1'-0"
PROJ. No. 17-55 DWG. No. 8A